

## CLAIMS

I claim:

1           1.     A piston-cylinder assembly having a speed-dependent damping force, said  
2 assembly comprising  
3           a cylinder having an axis,  
4           a piston rod which is axially movable in said cylinder,  
5           a piston fixed to said piston rod , said piston dividing said cylinder into a working  
6 space surrounding said piston rod and a working space remote from said piston rod, said working  
7 spaces being filled with a damping medium, said piston having at least one flow passage  
8 connecting said working spaces and a valve seat surface facing said working space remote from  
9 said piston rod, and  
10           a valve body which is urged away from said valve seat surface by a spring, said  
11 valve body having a conical surface which moves toward said valve seat surface as a function of  
12 dynamic pressure of said damping medium on said valve body and bearing against said valve  
13 seat surface in a maximally closed position.

1           2.     A piston-cylinder assembly as in claim 1 further comprising a pin having a  
2 guide surface on which said valve body is guided axially, and a seal arranged between the valve  
3 body and the guide surface.

1           3.     A piston-cylinder assembly as in claim 1 wherein said piston has a blind  
2 hole which accommodates said spring, said blind hole having a bottom from which said at least  
3 one flow passage extends.

1                   4.       A piston-cylinder assembly as in claim 3 wherein said spring is a conical  
2 coil spring having a larger diameter end with an end coil which is arranged on the bottom of the  
3 blind hole, said at least one flow passage extending from radially within the end coil.

1                   5.       A piston-cylinder assembly as in claim 1 wherein said valve body consists  
2 of plastic.

1                   6.       A piston-cylinder assembly as in claim 1 further comprising an axially  
2 adjustable stop against which the valve body is urged by the spring.

1                   7.       A piston-cylinder assembly as in claim 1 wherein said valve seat surface is  
2 adjustable to move axially relative to said piston.

1                   8.       A piston-cylinder assembly as in claim 7 comprising a valve seat ring, said  
2 valve seat surface being located on said valve seat ring.

1                   9.       A piston-cylinder-assembly as in claim 8 wherein said valve seat ring has  
2 a threaded connection to said piston.

1                   10. A piston-cylinder assembly as in claim 1 further comprising a separating  
2 piston arranged on said piston rod and separating the working space surrounding the piston rod  
3 from an equalizing space.